**3GPP TSG RAN WG2#118 R2-22xxxxx**

**e-Meeting, May, 2022**

**Title: Draft LS on TCI state signalling for SRS resource**

**Response to:**

**Release:** Release 17

**Work Item:** NR\_feMIMO-Core

**Source:** OPPO (To be RAN2)

**To:** RAN1

**Cc:**

**Contact Person:**

#### Name: Zhongda Du

E-mail Address: duzhongda@oppo.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:**

1. **Overall Description:**

In current Rel-17 38.331 the parameter *followUnifiedTCIstateSRS-r17* could be configured to indicate whether aperiodic SRS for BM or SRS of any time-domain for codebook, non-codebook, and antenna switching should follow the "indicated" Rel-17 DL only or joint TCI state.

It is found that RAN1’s agreements in RAN1#108-e imply that new solution e.g. new MAC CE is needed to address the cases where parameter *followUnifiedTCIstateSRS-r17* is not configured and the cases not addressed yet i.e. periodic and semi-persistent SRS for BM. RAN2 is considering to configure DL or joint TCI state for those cases via RRC signalling but not sure whether it is sufficient.

**2. Actions:**

**To RAN1:**

RAN2 respectfully asks RAN1 to answer following questions immediately:

**Question 1:**

Which cases are not addressed by current RRC specification and hence new solution is needed?

**Question 2:**

Whether configuration of DL or joint TCI state via RRC signalling is sufficient to address those potential cases? If not, could RAN1 recommend solution direction so that RAN2 can specify the detail during this meeting?

**3. Date of Next TSG-RAN WG2 Meetings:**

3GPP RAN2#119e August 22~26 [Electronic] Meeting